

PROPRIETARY AND CONFIDENTIAL

## Description

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1/4" Hose Barb,  
Non-Valved Elbow Hose Barb Plug Coupling,  
1/8" Flow,  
Gray Polypropylene Body and Terminations,  
Peroxide-Cured EPDM O-Ring Seal

DRAWN BY: SCW 12-Feb-2015

SHEET 1 OF 3

SCALE 3:1

DO NOT SCALE DRAWING

NAME DATE

PART#

20PPX-PE4-04

REV  
1

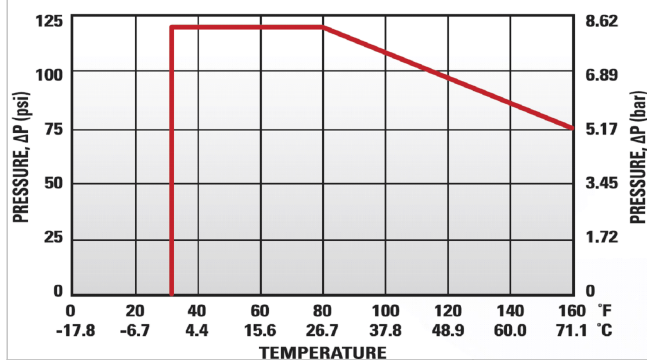


**Industrial Specialties Mfg.**  
**IS Med Specialties**

# Specifications

Body and Termination Material	Medical Grade Polypropylene
Standard Color Option	Gray
Seal Material Option	Peroxide-cured EPDM O-ring Seal
Operating Pressure Range	Vacuum to 120 psi (8.3 bar)
Operating Temperature Range	32° F to 160° F (0° C to 71° C)
Flow Capacity	1/4" Size
Barb Size	1/4" ID Tube Size
Sterilization	Gamma; 50 kGy irradiation max
Compatibility Statement	<p>It is the sole responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products.</p> <p>Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or product damage.</p>

**20PP Series Temperature**



## 20PP Series Medical Grade Polypropylene Sterilization and Disinfectant Compatibility

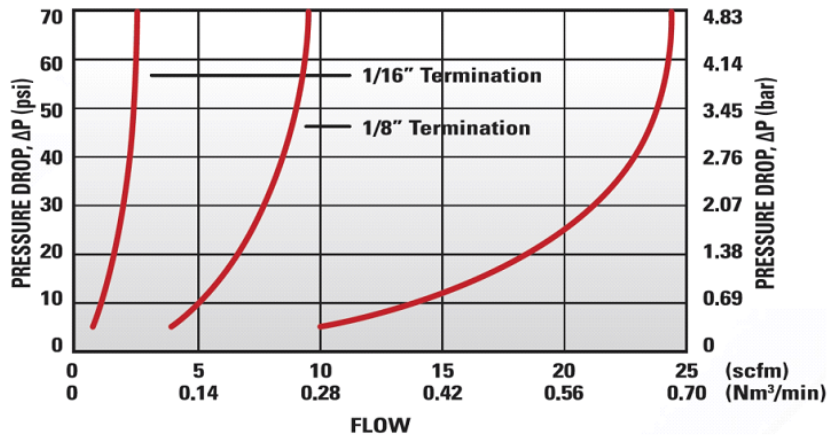
Formalin	Isopropyl Alcohol	Ethyl Alcohol	Ethylene Oxide (EtO)
Excellent	Excellent	Excellent	Excellent

Autoclave	E-Beam (50 kGy)	Gamma 5 Mrad (50kGy)	Dry Heat (250° F)
Do Not Use	Excellent	Excellent	Do Not Use

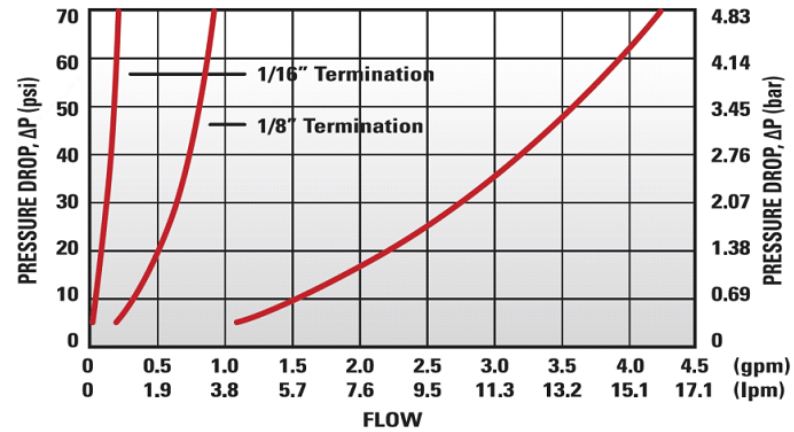
20PPX-PE4-04

SHEET 2 OF 3

## 20PP Series Air Flow



## 20PP Series Water Flow



These graphs are intended to give you a general idea of the performance capabilities of the product line.

Specific coupling  
combination flow rates can  
be determined by using this  
formula:

$$Q = C_v \times \text{SQRT}(\Delta P / S)$$

SQRT = Square root  
 Q = Flow rate in gallons per minute  
 $C_v$  = Average flow rate (see chart)  
 $\Delta P$  = Pressure drop across coupling (psi)  
 S = Specific gravity of liquid

### $C_v$ Values for the 20PPX-PE4-04

#### Non-Valved Elbow Hose Barb Plug Coupling

Valves:	20PPV- SE2-01	20PP- S2-01	20PPV- SE2-04	20PP- S2-04	20PPV- SE3-02	20PP- S3-02	20PPV- SE3-04
20PPX-PE4-04	0.03	0.03	0.27	0.45	0.19	0.27	0.25

Valves:	20PP- S3-04	20PPV- SE8-04	20PP- S8-04	20PPV- SE1-02	20PP- S1-02	20PPV- SE1-04	20PP- S1-04
20PPX-PE4-04	0.45	0.22	0.40	0.26	0.50	0.29	0.50

20PPX-PE4-04

SHEET 3 OF 3